

DERWENT-ACC-NO: 2003-437295

DERWENT-WEEK: 200341

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TITLE: Optical pickup actuator

INVENTOR: CHOI, I H; SON, D H

PATENT-ASSIGNEE: LG ELECTRONICS INC[GLDS]

PRIORITY-DATA: 2001KR-0049139 (August 14, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
PAGES	MAIN-IPC	
KR 2003015086 A	February 20, 2003	N/A
001	G11B 007/085	

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
APPL-DATE		
KR2003015086A	N/A	2001KR-0049139
August 14, 2001		

INT-CL (IPC): G11B007/085

ABSTRACTED-PUB-NO: KR2003015086A

BASIC-ABSTRACT:

NOVELTY - An optical pickup actuator is provided to prevent the secondary resonance by controlling the mass balancing by using magnets inserted into a movable part instead of securing a mass for controlling the center of gravity separately.

DETAILED DESCRIPTION - An optical pickup actuator includes a lens holder(410) formed of an annular hole to secure an objective lens(400) and a movable part(415) for driving the objective lens, a focusing-driving element attached to an inner wall of the movable part of the lens holder and formed of a first

magnet(425) for controlling the center of gravity and a focusing coil(420)
attached to a pickup base for driving the objective lens in the focusing direction, a radial driving element attached to an inner wall of the movable part, facing the first magnet, and formed of a second magnet(435) for controlling the center of gravity and radial coils(430) for driving the
objective lens in the radial direction, and tracking driving elements formed of
tracking coils(440) and third magnets(445) at both sides of the lens holder for
driving the objective lens in the tracking direction.

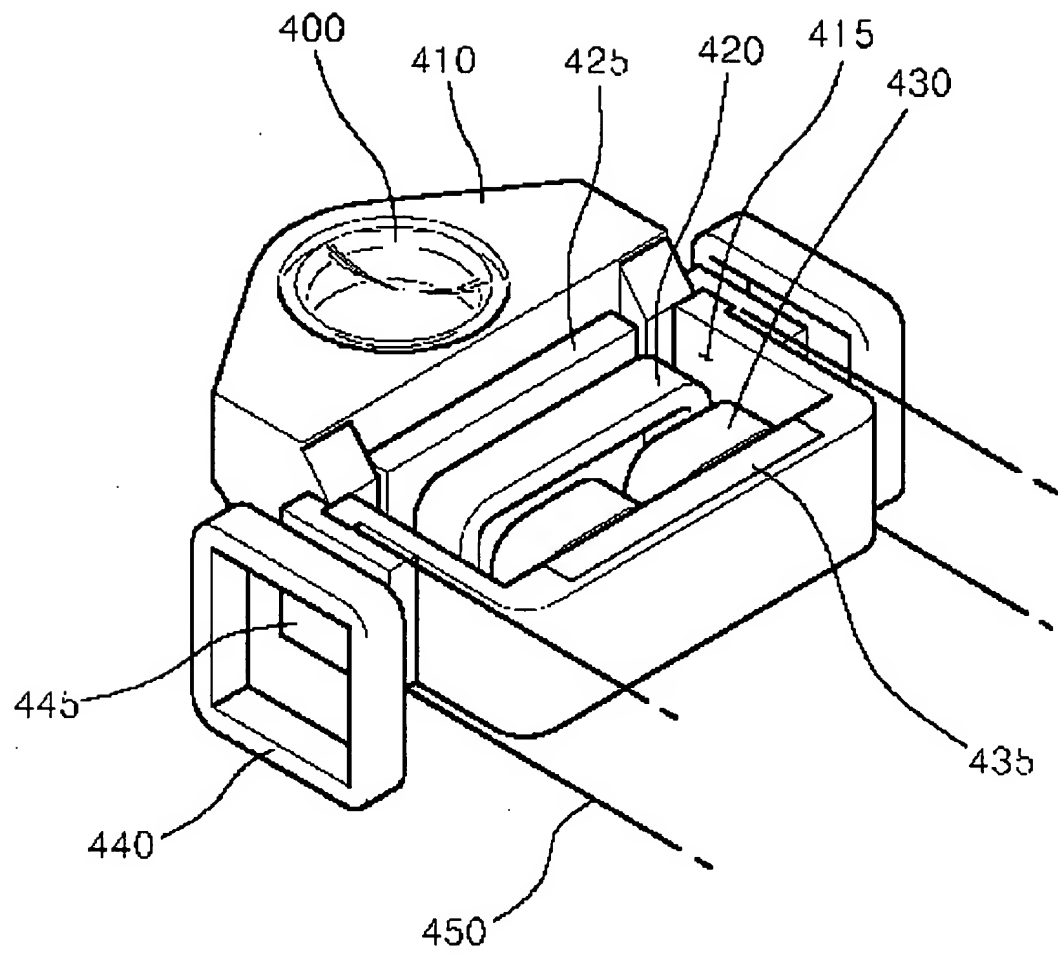
CHOSEN-DRAWING: Dwg.1/10

TITLE-TERMS: OPTICAL ACTUATE

DERWENT-CLASS: T03

EPI-CODES: T03-B02A;

(a)



(b)

